

## Installation

The various heat fusion techniques available for joining PE pipes allow the installer a greater degree of freedom when considering the most cost effective/practical installation method to a particular construction site.

Generally PE pipes are jointed to form a string above ground to snaking into the trench. To prevent scoring pre-made pipe systems, pipe roller should be used.

Before commencing of pipelaying, the person responsible should ensure that the trench is safe in accordance with the health and safety procedures.

Before lowering PE pipes into the trench, a check should be made for cuts, deep scratches or other pipe damage and in fusion jointed systems that the system has cooled sufficiently before stress is imposed upon any pre-made joints.

When lowering pipe into trenches, care should again be taken to avoid scoring of the pipe by contact with sides and bottom of the trench.

Special care is needed when passing under/around obstructions or other utility services. Use may be made of planks and ropes where appropriate but wire ropes or chains should not be used.

Gradual changes in direction of PE can be accommodated by pipe deflection but every effort should be made to keep the pipe as central as possible within the trench to enable correct side-fill compaction.

